

FORM PTO-1449
(REV. 7-80)

FEB 05 2004

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

660081.443

APPLICATION NO.

10/628,086

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

Robert Déziel et al.

FILING DATE

July 25, 2003

GROUP ART UNIT

1632

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dm	AA	4,029,884	06/14/77	Stein et al.	536	26	
	AB	4,385,112	05/24/83	Misaki et al.	435	6	
	AC	4,522,811	06/11/85	Eppstein et al.	514	2	
	AD	5,138,045	08/11/92	Cook et al.	536	27	
	AE	5,175,266	12/29/92	Varma et al.	536	22	
	AF	5,223,618	06/29/93	Cook et al.	544	276	
	AG	5,378,825	01/03/95	Cook et al.	536	25.34	
	AH	5,602,240	02/11/97	De Mesmaecker et al.	536	22.1	
	AI	5,716,637	02/10/98	Anselem et al.	424	450	
dm	AJ	5,792,608	08/11/98	Swaminathan et al.	435	6	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
dm	AK	EP 515156 B1	02/07/96	EPO		
	AL	EP 799834 A1	10/08/97	EPO		
	AM	EP 1162196 A1	12/12/01	EPO		
	AN	JP 2002-302498 A	10/18/02	Japan	X	
dm	AO	WO 98/50047	11/12/98	WIPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

dm	AP	Baker, J.J. et al., "5'-Substituted-5'-Deoxy Nucleosides," <i>Tetrahedron</i> 30: 2939-2943, 1974.
	AQ	Classon and Samuelsson, "Synthesis of 5-Iodo-1-(sodium 2-deoxy-β-D-ribofuranosyl-uronate)uracil and 5-Iodo-1-(sodium β-D-ribofuranosyluronate)uracil," <i>Acta Chemica Scandinavica B39(6)</i> : 501-504, 1985.
pm	AR	Elliot, R.D. et al., "Nitrosoureido Nucleosides as Potential Inhibitors of Nucleotide Biosynthesis," <i>Journal of Medicinal Chemistry</i> 31(1): 250-254, 1988.

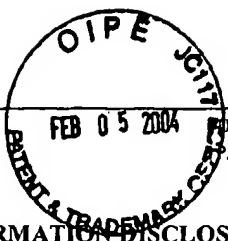
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dkhane

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dl	BA	5,834,607	11/10/98	Manoharan et al.	536	22.1	
	BB	5,961,970	10/05/99	Lowell et al.	424	93.1	
	BC	6,232,463	05/15/01	Cook et al.	536	25.3	
	BD	2002/0183502	12/05/02	Mesmaeker et al.	536	23.1	
dl	BE	2003/0050320	03/13/03	Hashimoto et al.	514	299	

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					YES	NO
dl	BF	WO 00/06529	02/10/00	WIPO		
	BG	WO 00/10573	03/02/00	WIPO		
	BH	WO 00/13708	03/16/00	WIPO		
	BI	WO 00/18231	04/06/00	WIPO		
	BJ	WO 01/77091	10/18/01	WIPO		
	BK	WO 01/90121	11/29/01	WIPO		
	BL	WO 02/04425	01/17/02	WIPO		
	BM	WO 02/057287	07/25/02	WIPO		
	BN	WO 02/057425	07/25/02	WIPO		
dl	BO	WO 02/06246	01/24/02	WIPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

dl	BP	Henn, T.F.G. et al., "Synthesis of 2'-Deoxyuridine and 5-Fluoro-2'-deoxyuridine Derivatives and Evaluation in Antibody Targeting Studies," <i>Journal of Medicinal Chemistry</i> 36(11): 1570-1579, May 28, 1993.
	BQ	Imai and Honjo, "Synthesis of 5-Substituted Pyrimidine Nucleosides," <i>Chemical & Pharmaceutical Bulletin</i> 13(1): 7-16, January 1965.
dl	BR	Inaki, Y. et al., "Isopoly-L-Ornithine Derivatives of Thymine and Thymidine," <i>Nucleosides & Nucleotides</i> 17(1-3): 339-350, 1998.

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CA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
du	CB	✓ WO 02/100152	12/19/02	WIPO		
	CC	✓ WO 03/007945	01/30/03	WIPO		
	CD	✓ WO 03/010141	02/06/03	WIPO		
an	CE	✓ WO 03/026589	04/03/03	WIPO		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

du	CF	✓	Järleback, L. et al., "Peptidyl Conjugates of Adenosine 5'-Carboxylic Acid Synthesized and Evaluated as Ligands for P2 Purinoceptors," <i>Biochemical and Biophysical Research Communications</i> 229(2): 363-369, 1996.
	CG	✓	Jones, A.S. et al., "The Chromium Trioxide-Pyridine Oxidation of Deoxyribonucleosides and Deoxyribonucleotides," <i>Carbohydrate Research</i> 1(3): 187-195, November 1965.
	CH	✓	Jung and Schmidt, "Spezifische Synthese von Nucleosid-5'-carbonsäure-Derivaten mit Pyrimidinen als heterocyclische Base," <i>Chemische Berichte</i> 113: 1775-1789, 1980.
	CI	✓	Kawana, M. et al., "Nucleoside Peptides. III. The Synthesis of <i>N</i> -[1-(9-Adenyl)- β -D-ribofuranuronosyl] Derivatives of Certain Amino Acids and Peptides," <i>Journal of Organic Chemistry</i> 37(2): 288-291, 1972.
	CJ	✓	Kim, K.-H. et al., "Synthesis and Biological Activity of the New 5-Fluorocytosine Derivatives, 5'-Deoxy- <i>N</i> -alkyloxycarbonyl-5-fluorocytosine-5'-carboxylic Acid," <i>Bioorganic & Medicinal Chemistry Letters</i> 12: 483-486, 2002.
	CK	✓	Kolykhalov, A.A. et al., "Hepatitis C Virus-Encoded Enzymatic Activities and Conserved RNA Elements in the 3' Nontranslated Region Are Essential for Virus Replication In Vivo," <i>Journal of Virology</i> 74(4): 2046-2051, February 2000.
	CL	✓	Lindsay, K., "Therapy of Hepatitis C: Overview," <i>Hepatology</i> 26(3 Suppl. 1): 71S-77S, September 1997.
an	CM	✓	Matsuba, Y. et al., "Industrial manufacture of nucleosides," MARPAT Database (American Chemical Society Markush Database) Accession No. 137:309602, 2002. See also JP 2002-302498 (reference AN).

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J. Kane

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	CB					
	CC					
	CD					
	CE					

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mm	CF	Pehk and Uri, "Synthesis and Structural Characterization of Conjugates of Adenosine and Tetra-Aspartate, Novel Analogs of ATP," <i>Bioorganic & Medicinal Chemistry Letters</i> 7(17): 2159-2164, 1997.
dh	CG	Schinazi, R.F. et al., "Synthesis and Biological Activities of Some Uronic Acids, Uronates, Uronamides, and Urononitriles of Pyrimidine Nucleosides," <i>Journal of Medicinal Chemistry</i> 21(11): 1141-1146, 1978.
	CH	
	CI	
	CJ	
	CK	
	CL	
	CM	

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<i>ju</i>	DA	2003/0153744	08/14/03	Mekouar et al.	536	27.2	
	DB						
	DC						
	DD						
	DE						
	DF						
	DG						
	DH						
	DI						
	DJ						

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					YES	NO
	DK					
	DL					
	DM					
	DN					
	DO					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ju</i>	DP	Mekouar, K. et al., "Anti-Viral 7-Deaza D-Nucleosides and Uses Thereof," U.S. Patent Application No. 10/627,586, filed July 25, 2003.
	DQ	
	DR	

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